BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements and Asphalting to Roads at Canara Bank Layout in ward No. 09 in Vidyaranyapura sub Division.

Name of Agency: Sri B.B. Umesh, Contractor, # 385/1, near Anjaneya Temple, Bettahalli Village & (P), Bangalore - 57.

Estimated Cost: 49,00,000.00

Tender Amount : Rs. 48,49,344.37 Lakhs

Work Order No. EE/BTP/BBMP/E-PMT-01(17847)/WO/42/2016-17 Dated: 26.05.2016.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides	Cum	1127.63	75.60	85248.83	1127.63	75.60	85248.83	669.65	669.65	75.60	50625.00	0.00	0.00	0.00	50625.00	34623.83		
2	Removing B.S Slab of Drain and stacking etc complete as per specifications and directions of engineer in charge of the work	Sqm	2200.50	58.32	128333.16	2200.50	58.32	128333.16	1055.70	1055.70	58.32	61568.00	0.00	0.00	0.00	61568.00	66765.16		
3	Refixing stone slabs of drains and pointing in C.M (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm	2200.50	75.60	166357.80	2200.50	75.60	166357.80	1055.70	1055.70	75.60	79811.00	0.00	0.00	0.00	79811.00	86546.80		
4	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine	Cum	29.93	4847.04	145071.91	29.93	4847.04	145071.91	4.27	4.27	4847.04	20677.00	0.00	0.00	0.00	20677.00	124394.91		
5	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete	Sqm	132.00	993.60	131155.20	132.00	993.60	131155.20	360.00	165.00	993.60	163944.00	195.00	1018.44	198596.00	362540.00		231384.80	
6	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine	Cum	28.05	5327.64	149440.30	28.05	5327.64	149440.30	41.09	35.06	5327.64	186800.00	6.03	5490.72	33117.00	219917.00		70476.70	
7	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse	Cum	56.70	6065.28	343901.38	56.70	6065.28	343901.38	47.04	47.04	6065.28	285318.00	0.00	0.00	0.00	285318.00	58583.38		
8	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding	Tonne	2.84	78351.84	222519.23	2.84	78351.84	222519.23	3.53	3.53	78351.84	276432.00	0.00	0.00	0.00	276432.00		53912.77	

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
9	Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost	Sqm	497.25	314.28	156275.73	497.25	314.28	156275.73	418.94	418.94	314.28	131665.00	0.00	0.00	0.00	131665.00	24610.73		
10	Scarifying kankar/gravel/metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges etc complete as per specifications and directions of engineer	Sqm	2782.50	22.68	63107.10	2782.50	22.68	63107.10	3332.50	3332.50	22.68	75581.00	0.00	0.00	0.00	75581.00		12473.90	
11	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to	Cum	647.33	1438.56	931223.04	647.33	1350.00	873895.50	754.10	754.10	1350.00	1018035.00	0.00	0.00	0.00	1018035.00		144139.50	
12	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means etc	Sqm	5192.50	31.32	162629.10	5192.50	31.32	162629.10	3807.50	3807.50	31.32	119251.00	0.00	0.00	0.00	119251.00	43378.10		
13	Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant	Cum	13.75	6716.52	92352.15	13.75	6800.00	93500.00	83.13	17.19	6800.00	116875.00	65.94	5775.84	380844.00	497719.00		404219.00	
14	Providing and laying **bituminous concrete** crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the	Cum	150.50	10288.08	1548356.04	150.50	10288.08	1548356.04	95.10	95.10	10288.08	978396.00	0.00	0.00	0.00	978396.00	569960.04		
15	Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the	Cum	35.75	8475.84	303011.28	35.75	10000.00	357500.00	35.75	35.75	10000.00	357500.00	0.00	0.00	0.00	357500.00		0.00	
16	**Filling Pot-holes and patch repairs with bituminous concrete, 40 mm,** KSRRB M3000-5, Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as	Sqm	372.00	369.36	137401.92	372.00	369.36	137401.92	240.00	240.00	369.36	88646.00	0.00	0.00	0.00	88646.00	48755.92		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
17	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work	Cum	1127.63	73.57	82959.74	1127.63	75.07	84651.18	669.65	669.65	75.07	50270.00	0.00	0.00	0.00	50270.00	34381.18		
	EIRL															**4673951.00**			
18	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick **Page**	Sqm							162.00				162.00	663.12	107425.00	107425.00		107425.00	
19	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in	Cum							16.20				16.20	4135.32	66992.00	66992.00		66992.00	
	Sub Total				4849349.90											**174417.00**			
	Third Party Inspection Charges @ 1%				48493.50														
	Miscelaneous and unforgen charges	LS			2157.00														
	Total				**4900000.00**			**4849344.37**				**4061394.00**			**612557.00**	**4848368.00**	**273292.59**	**272316.21**	

0.02 Below

SUMMARY:

1. **Estimated Cost : Rs. 49.00 Lakhs**
2. **Tender Cost : Rs. 48.49 Lakhs**
3. **EIRL Amount Rs. 1,74,417.00 = 3.59 % of the Tender Amount**
4. **Work Slip Amount Rs. 6,12,557.00 = 12.63 % of the Tender Amount**
5. **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 48.48 Lakhs which is 0.02 % BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 5/7/16
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

"Work-Slip Approved"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92
9.7.16

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